

**REQUEST FOR STA**

**1. Introduction**

By the instant request (“Application”), DRS Sustainment Systems, Inc. (“DRS SSI”) requests that the Commission grant Special Temporary (“STA”) to operate the facilities specified in the attached application. A Start Date of 12/20/2012 is requested.

**2. Purpose and Nature of the Operation**

To remove soldiers from harm’s way, unmanned ground vehicles (UGVs) are being leveraged for dangerous missions such as IED detection and neutralization. Since IEDs are a constantly evolving threat, any solution must have the ability to quickly evolve to stay ahead. The Adaptive Mission Payload (AMP) developed by DRS SSI is a system that provides an unparalleled level of field re-configurability and ease of new technology insertion for both platforms and peripherals through an advanced “plug and play” methodology. Thus, the AMP allows for the integration of navigation sensors, mission sensors, and mobility platforms to create an intelligent UGV. The AMP hardware is a synthesis of commercial off the shelf products including a communications module. This Application is filed to obtain transmitting authority for the communications module portion of the system.

If approved, this STA will allow DRS SSI to conduct experiments and perform onsite customer demonstrations of DRS SSI’s AMP system. Experiments include reliability analyses, algorithm evaluations, and endurance tests. As part of the evaluations, DRS-SSI will be comparing the performance and reliability of the AMP’s communication equipment to COTS communication modules which operate in the unlicensed ISM frequency bands. In addition, DRS SSI performs onsite demonstrations to potential military customers. The STA would allow DRS SSI to demonstrate the AMP to their customers as part of those onsite demonstrations.

**3. Stop Buzzer**

DRS SSI advises that the following will be available by wireless telephone as the “stop buzzers” if any issues regarding interference arise during testing at each of the three sites:

Mike Butchko - (314) 440-9492

For the foregoing reasons, DRS SSI respectfully submits that approval of this Application is in the public interest, convenience and necessity.